Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of forming a semiconductor device, comprising:

forming a cavity in a body of a substrate, the body having a bottom surface and a top surface, the cavity opening onto at least the bottom surface, wherein forming the cavity comprises ablating the body with a laser;

at least partially filling the cavity with at least one material having a greater thermal conductivity than the body; and

forming a semiconductor over the top surface.

- 2. (Original) The method of claim 1, wherein forming the cavity comprises forming a cavity in a sapphire body.
 - 3. (Canceled)
- 4. (Original) The method of claim 1, wherein forming the cavity comprises ablating the body with an Nd:YAG laser.
- 5. (Original) The method of claim 1, wherein forming the cavity comprises ablating the body with a laser having a spot size of at least about 20 μm.
- 6. (Original) The method of claim 1, wherein forming the semiconductor comprises forming a GaN semiconductor structure.
- 7. (Original) The method of claim 1 wherein at least partially filling the cavity comprises at least partially filling the cavity with at least one of a seed layer, Au, Ag or Cu.
- 8. (Original) The method of claim 1, wherein at least partially filling the cavity comprises:

forming a seed layer on at least a portion of the inner surface of the cavity; and forming an additional at least one material layer in the cavity over the seed layers.

- 9. (Currently Amended) The method of claim 8, wherein forming an additional at least on-one material layer comprises plating the additional at least one material onto the seed layer.
- 10. (Original) The method of claim 1, wherein at least partially filling the cavity comprises at least partially filling the cavity with a metal paste.
- 11. (Original) The method of claim 1, wherein forming the semiconductor occurs after forming the cavity.
 - 12. (Original) The method of claim 11, wherein:the body has a thickness; andforming the cavity comprises forming the cavity to a depth that is less than the

thickness of the body so that the cavity opens only onto the bottom surface.

13. (Original) The method of claim 11, wherein: the body has a thickness; and

forming the cavity comprises forming the cavity to a depth that is less than the thickness of the body so that the cavity opens only onto the bottom surface.

- 14. (Original) The method of claim 13, wherein forming the cavity comprises forming at least a first portion having a first depth that is less than the thickness of the body and a second portion having a second depth that is less than the thickness of the body, but greater than the first depth.
- 15. (Original) The method of claim 1, wherein forming the semiconductor occurs prior to forming the cavity.

- 16. (Original) The method of claim 15, wherein: the body has a thickness; forming the cavity comprises forming the cavity to a depth that is equal to the thickness of the body so that the cavity opens onto the bottom surface and the top surface; at least partially filling the cavity comprises at least partially filling the cavity so that the at least one material contacts the semiconductor.
 - 17. (Original) The method of claim 15, wherein:

forming the cavity comprises forming at least a first portion having a first depth that is less than the thickness of the body and a second portion having a second depth that is equal to the thickness of the body, so that the cavity opens onto the bottom surface and the top surface; and

at least partially filling the cavity comprises at least partially filling the cavity so that the at least one material contacts the semiconductor.